

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
13 November 2003 (13.11.2003)

PCT

(10) International Publication Number  
WO 03/092757 A1

(51) International Patent Classification<sup>7</sup>: A61L 15/60, 15/42

(21) International Application Number: PCT/EP03/04437

(22) International Filing Date: 29 April 2003 (29.04.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/376,961 1 May 2002 (01.05.2002) US

(71) Applicant (for all designated States except US): BASF AKTIENGESELLSCHAFT [DE/DE]; 67056 Ludwigshafen (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HERFERT, Norbert [DE/US]; 3204 Trefoil Drive, Charlotte, NC 28226-7200 (US). MITCHELL, Michael [US/US]; 8805 Sweetwater Pl., Waxhaw, NC 28173 (US). ENGELHARDT, Friedrich [DE/DE]; Hünfelderstr.20, 60386 Frankfurt (DE).

(74) Common Representative: BASF AKTIENGESELLSCHAFT; 67056 Ludwigshafen (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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53478  
086040

WO 03/092757 A1

(54) Title: PLASTICIZED SUPERABSORBENT POLYMER SHEETS AND USE THEREOF IN HYGIENIC ARTICLES

(57) Abstract: A flexible absorbent sheet material containing an acidic water-absorbing resin, a basic water-absorbing resin, and a plasticizer, and its method of manufacture, are disclosed. The sheets contain about 60% to 100% by weight of the acidic and basic water-absorbent resin and plasticizer. The absorbent sheets have unexpected flexibility and structural integrity, while exhibiting exceptional water absorption and retention properties.

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# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/04437

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 A61L15/60 A61L15/42

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/007166 A1 (MITCHELL MICHAEL A ET AL) 17 January 2002 (2002-01-17) paragraph '0002! paragraph '0092! paragraph '0305! – paragraph '0312! claims 1-3,9,26,32,33 -----	1-27
A	US 5 324 561 A (IWASAKI TOSHIAKI ET AL) 28 June 1994 (1994-06-28) column 2, line 61 –column 3, line 5 column 14, line 35 –column 15, line 11 column 21, line 63 –column 22, line 17 claims 1,4-8 -----	1-27

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the International search

7 October 2003

Date of mailing of the international search report

16/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

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**INTERNATIONAL SEARCH REPORT**

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